

RAW SEQUENCE LISTING

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Application Serial Number: 09/211,315A
Source: LFW16
Date Processed by STIC: 08/22/2005

ENTERED



IFW16

RAW SEQUENCE LISTING DATE: 08/22/2005
 PATENT APPLICATION: US/09/211,315A TIME: 10:31:58

Input Set : A:\A-451G(J) SEQ LIST081505-2271BP.txt
 Output Set: N:\CRF4\08222005\I211315A.raw

SEQUENCE LISTING

4 (1) GENERAL INFORMATION:
 6 (i) APPLICANT: Boyle, William J.
 8 (ii) TITLE OF INVENTION: Osteoprotegerin Binding Proteins
 10 (iii) NUMBER OF SEQUENCES: 39
 12 (iv) CORRESPONDENCE ADDRESS:
 13 (A) ADDRESSEE: Amgen Inc.
 14 (B) STREET: One Amgen Center Drive
 15 (C) CITY: Thousand Oaks
 16 (D) STATE: California
 17 (E) COUNTRY: USA
 18 (F) ZIP: 91320-1789
 20 (v) COMPUTER READABLE FORM:
 21 (A) MEDIUM TYPE: Floppy disk
 22 (B) COMPUTER: IBM PC compatible
 23 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 24 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
 26 (vi) CURRENT APPLICATION DATA:
 C--> 27 (A) APPLICATION NUMBER: US/09/211,315A
 C--> 28 (B) FILING DATE: 14-Dec-1998
 29 (C) CLASSIFICATION:
 31 (viii) ATTORNEY/AGENT INFORMATION:
 32 (A) NAME: Winter, Robert B.
 33 (C) REFERENCE/DOCKET NUMBER: A-451G
 36 (2) INFORMATION FOR SEQ ID NO: 1:
 38 (i) SEQUENCE CHARACTERISTICS:
 39 (A) LENGTH: 8 amino acids
 40 (B) TYPE: amino acid
 41 (C) STRANDEDNESS: single
 42 (D) TOPOLOGY: linear
 44 (ii) MOLECULE TYPE: protein
 49 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
 51 Asp Pro Asn Arg Gln Asp Ile Asp
 52 1 5
 54 (2) INFORMATION FOR SEQ ID NO: 2:
 56 (i) SEQUENCE CHARACTERISTICS:
 57 (A) LENGTH: 52 base pairs
 58 (B) TYPE: nucleic acid
 59 (C) STRANDEDNESS: single
 60 (D) TOPOLOGY: linear
 62 (ii) MOLECULE TYPE: cDNA
 67 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
 69 GTTCTCCTCA TATGGATCCA AACCGTATTT CTGAAGACAG CACTCACTGC TT

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71 (2) INFORMATION FOR SEQ ID NO: 3:
73     (i) SEQUENCE CHARACTERISTICS:
74         (A) LENGTH: 37 base pairs
75         (B) TYPE: nucleic acid
76         (C) STRANDEDNESS: single
77         (D) TOPOLOGY: linear
79     (ii) MOLECULE TYPE: cDNA
84     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
86 TACGCACTCC GCGGTTAGTC TATGTCCTGA ACTTTGA
37
88 (2) INFORMATION FOR SEQ ID NO: 4:
90     (i) SEQUENCE CHARACTERISTICS:
91         (A) LENGTH: 8 amino acids
92         (B) TYPE: amino acid
93         (C) STRANDEDNESS: single
94         (D) TOPOLOGY: linear
96     (ii) MOLECULE TYPE: protein
101    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
103    Glu Asn Ala Gly Gln Asp Ile Asp
104    1      5
106 (2) INFORMATION FOR SEQ ID NO: 5:
108     (i) SEQUENCE CHARACTERISTICS:
109         (A) LENGTH: 51 base pairs
110         (B) TYPE: nucleic acid
111         (C) STRANDEDNESS: single
112         (D) TOPOLOGY: linear
114     (ii) MOLECULE TYPE: cDNA
119     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
121 ATTTGATTCT AGAAGGAGGA ATAACATATG CATGAAAACG CAGGTCTGCA G
51
124 (2) INFORMATION FOR SEQ ID NO: 6:
126     (i) SEQUENCE CHARACTERISTICS:
127         (A) LENGTH: 42 base pairs
128         (B) TYPE: nucleic acid
129         (C) STRANDEDNESS: single
130         (D) TOPOLOGY: linear
132     (ii) MOLECULE TYPE: cDNA
137     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
139 TATCCGCGGA TCCTCGAGTT AGTCTATGTC CTGAACTTTG AA
42
141 (2) INFORMATION FOR SEQ ID NO: 7:
143     (i) SEQUENCE CHARACTERISTICS:
144         (A) LENGTH: 8 amino acids
145         (B) TYPE: amino acid
146         (C) STRANDEDNESS: single
147         (D) TOPOLOGY: linear
149     (ii) MOLECULE TYPE: protein
154     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
156    Glu Asp Thr Leu Gln Asp Ile Asp
157    1      5
159 (2) INFORMATION FOR SEQ ID NO: 8:
161     (i) SEQUENCE CHARACTERISTICS:

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162      (A) LENGTH: 54 base pairs
163      (B) TYPE: nucleic acid
164      (C) STRANDEDNESS: single
165      (D) TOPOLOGY: linear
167      (ii) MOLECULE TYPE: cDNA
172      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
174 ATTTGATTCT AGAAGGAGGA ATAACATATG TCTGAAGACA CTCTGCCGGA CTCC      54
176 (2) INFORMATION FOR SEQ ID NO: 9:
178      (i) SEQUENCE CHARACTERISTICS:
179          (A) LENGTH: 9 amino acids
180          (B) TYPE: amino acid
181          (C) STRANDEDNESS: single
182          (D) TOPOLOGY: linear
184      (ii) MOLECULE TYPE: protein
189      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
191      Lys Gln Ala Phe Gln Gln Asp Ile Asp
192      1          5
194 (2) INFORMATION FOR SEQ ID NO: 10:
196      (i) SEQUENCE CHARACTERISTICS:
197          (A) LENGTH: 48 base pairs
198          (B) TYPE: nucleic acid
199          (C) STRANDEDNESS: single
200          (D) TOPOLOGY: linear
202      (ii) MOLECULE TYPE: cDNA
207      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
209 ATTTGATTCT AGAAGGAGGA ATAACATATG AAACAAGCTT TTCAGGGG      48
211 (2) INFORMATION FOR SEQ ID NO: 11:
213      (i) SEQUENCE CHARACTERISTICS:
214          (A) LENGTH: 10 amino acids
215          (B) TYPE: amino acid
216          (C) STRANDEDNESS: single
217          (D) TOPOLOGY: linear
219      (ii) MOLECULE TYPE: protein
224      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
226      Met Lys Glu Leu Gln His Gln Asp Ile Asp
227      1          5          10
229 (2) INFORMATION FOR SEQ ID NO: 12:
231      (i) SEQUENCE CHARACTERISTICS:
232          (A) LENGTH: 51 base pairs
233          (B) TYPE: nucleic acid
234          (C) STRANDEDNESS: single
235          (D) TOPOLOGY: linear
237      (ii) MOLECULE TYPE: cDNA
242      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
244 ATTTGATTCT AGAAGGAGGA ATAACATATG AAAGAACTGC AGCACATTGT G      51
247 (2) INFORMATION FOR SEQ ID NO: 13:
249      (i) SEQUENCE CHARACTERISTICS:
250          (A) LENGTH: 10 amino acids
251          (B) TYPE: amino acid

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252         (C) STRANDEDNESS: single
253         (D) TOPOLOGY: linear
255     (ii) MOLECULE TYPE: protein
260     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
262     Met Gln Arg Phe Ser Gly Gln Asp Ile Asp
263         1             5             10
265 (2) INFORMATION FOR SEQ ID NO: 14:
267     (i) SEQUENCE CHARACTERISTICS:
268         (A) LENGTH: 51 base pairs
269         (B) TYPE: nucleic acid
270         (C) STRANDEDNESS: single
271         (D) TOPOLOGY: linear
273     (ii) MOLECULE TYPE: cDNA
278     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
280 ATTTGATTCT AGAAGGAGGA ATAACATATG CAGCGTTTCT CTGGTGCTCC A      51
282 (2) INFORMATION FOR SEQ ID NO: 15:
284     (i) SEQUENCE CHARACTERISTICS:
285         (A) LENGTH: 9 amino acids
286         (B) TYPE: amino acid
287         (C) STRANDEDNESS: single
288         (D) TOPOLOGY: linear
290     (ii) MOLECULE TYPE: protein
295     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
297     Met Glu Gly Ser Trp Gln Asp Ile Asp
298         1             5
300 (2) INFORMATION FOR SEQ ID NO: 16:
302     (i) SEQUENCE CHARACTERISTICS:
303         (A) LENGTH: 40 base pairs
304         (B) TYPE: nucleic acid
305         (C) STRANDEDNESS: single
306         (D) TOPOLOGY: linear
308     (ii) MOLECULE TYPE: cDNA
313     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
315 GTTCTCCTCA TATGGAAGGT TCTTGTTGG ATGTGGCCCA      40
317 (2) INFORMATION FOR SEQ ID NO: 17:
319     (i) SEQUENCE CHARACTERISTICS:
320         (A) LENGTH: 9 amino acids
321         (B) TYPE: amino acid
322         (C) STRANDEDNESS: single
323         (D) TOPOLOGY: linear
325     (ii) MOLECULE TYPE: protein
330     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
332     Met Arg Gly Lys Pro Gln Asp Ile Asp
333         1             5
335 (2) INFORMATION FOR SEQ ID NO: 18:
337     (i) SEQUENCE CHARACTERISTICS:
338         (A) LENGTH: 44 base pairs
339         (B) TYPE: nucleic acid
340         (C) STRANDEDNESS: single

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341         (D) TOPOLOGY: linear
343     (ii) MOLECULE TYPE: cDNA
348     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
350 GTTCTCCTCA TATGCGTGGT AAACCTGAAG CTCAACCATT TGCA      44
352 (2) INFORMATION FOR SEQ ID NO: 19:
354     (i) SEQUENCE CHARACTERISTICS:
355         (A) LENGTH: 9 amino acids
356         (B) TYPE: amino acid
357         (C) STRANDEDNESS: single
358         (D) TOPOLOGY: linear
360     (ii) MOLECULE TYPE: protein
365     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
367 Met Lys Pro Glu Ala Gln Asp Ile Asp
368 1          5
371 (2) INFORMATION FOR SEQ ID NO: 20:
373     (i) SEQUENCE CHARACTERISTICS:
374         (A) LENGTH: 53 base pairs
375         (B) TYPE: nucleic acid
376         (C) STRANDEDNESS: single
377         (D) TOPOLOGY: linear
379     (ii) MOLECULE TYPE: cDNA
384     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:
386 GTTCTCCTCA TATGAAACCT GAAGCTCAAC CATTTGCACA CCTCACCATC AAT      53
388 (2) INFORMATION FOR SEQ ID NO: 21:
390     (i) SEQUENCE CHARACTERISTICS:
391         (A) LENGTH: 9 amino acids
392         (B) TYPE: amino acid
393         (C) STRANDEDNESS: single
394         (D) TOPOLOGY: linear
396     (ii) MOLECULE TYPE: protein
401     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:
403 Met His Leu Thr Ile Gln Asp Ile Asp
404 1          5
406 (2) INFORMATION FOR SEQ ID NO: 22:
408     (i) SEQUENCE CHARACTERISTICS:
409         (A) LENGTH: 65 base pairs
410         (B) TYPE: nucleic acid
411         (C) STRANDEDNESS: single
412         (D) TOPOLOGY: linear
414     (ii) MOLECULE TYPE: cDNA
419     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 22:
421 GTTCTCCTCA TATGCATTTA ACTATTAACG CTGCATCTAT CCCATCGGGT TCCCATAAAG      60
423 TCACT      65
425 (2) INFORMATION FOR SEQ ID NO: 23:
427     (i) SEQUENCE CHARACTERISTICS:
428         (A) LENGTH: 9 amino acids
429         (B) TYPE: amino acid
430         (C) STRANDEDNESS: single
431         (D) TOPOLOGY: linear

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VERIFICATION SUMMARY

DATE: 08/22/2005

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Input Set : A:\A-451G(J) SEQ LIST081505-2271BP.txt

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L:27 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:28 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]